

AMENDMENTS TO THE CLAIMS, COMPLETE LISTING OF CLAIMS
IN ASCENDING ORDER WITH STATUS INDICATOR

Please amend the claims as follows:

1. (Currently Amended) ~~A biological hard tissue inductive scaffold~~ An implant material ~~to be used with various implants comprising;~~

an implant made of titanium or titanium alloy, and

a titanium or titanium-group alloy fiber fixed at the periphery of the implant, wherein ~~said biological hard tissue inductive scaffold material is materially designed to excel in biological hard tissue inductivity and fixing ability;~~

wherein ~~said titanium or titanium group alloy fiber is selecting a fiber whose~~ has an average diameter ~~is smaller of less~~ is of ~~less than 100μm and an aspect ratio is of~~ 20 or more, that is, short axis:long axis ratio=1:20 or more, and

wherein ~~said fibers are accumulated in disorder to form a layer so as to form comprising~~ a growth space for biological ~~hard~~ tissue from the surface of said layer to inside of said layer, and

wherein said implant and said titanium or titanium alloy fibers are sintered together in vacuum so that the fibers are fused or fixed to each other at their crossing points or contacting points, and the fibers and the implant are fused or fixed to each other at their contacting point.

2. (Canceled).

3. (Currently Amended) ~~The biological hard tissue inductive scaffold~~ implant material ~~of in accordance with claim 1 or claim 2, wherein a surface of said fibers is treated with apatite forming liquid and coated with calcium phosphate compound containing hydroxyapatite or carbonateapatite.~~

4. (Currently Amended) ~~The biological hard tissue inductive scaffold~~ implant material in accordance with claim ~~3~~ 1, wherein the surface of said fibers is treated with a treating liquid

~~containing~~ comprising a physiological active material or a physiological activation promoter which activates cells.

5. (Currently Amended) ~~The biological hard tissue inductive scaffold~~ implant material ~~of~~ in accordance with claim 4, wherein the physiological active material or ~~a~~ the physiological activation promoter which activates cells is at least one selected from the group consisting of cell growth factor, cytokine, antibiotic, cell growth controlling factor, enzyme, protein, polysaccharides, phospholipids, lipoprotein or mucopolysaccharides.

6. (Currently Amended) ~~The biological hard tissue inductive scaffold~~ implant material in accordance with claim ~~5~~ 1, wherein the implant is an artificial root of ~~the~~ a tooth having an embedding part, and wherein the layer ~~which~~ is integrally fixed to a periphery surface of the embedding part.

7. (Currently Amended) ~~The biological hard tissue inductive scaffold~~ implant material in accordance with claim ~~5~~ 1, wherein the implant is an artificial joint having an embedding part, and wherein the layer ~~which~~ is integrally fixed to a periphery surface of the embedding part.

8. (Currently Amended) ~~The biological hard tissue inductive scaffold~~ implant material in accordance with claim ~~5~~ 1, wherein the implant is an implant for bone repairing having an embedding part and wherein the layer ~~which~~ is integrally fixed to a periphery surface of the embedding part.

9. (Canceled).

10. (Currently Amended) A method for ~~proliferation of the biological hard tissue inductive scaffold~~ forming an implant material comprising,

forming a layer by entangling titanium or titanium ~~group~~ alloy fibers ~~whose~~ having an average diameter ~~is~~ of smaller than 100 μ m and an aspect ratio is 20 or more,

bring together ~~winding up~~ the layer to the ~~with an~~ artificial root of ~~the~~ a tooth or an artificial joint, and sintering it in vacuum so as to fuse the ~~that the~~ fibers are fused to each other at ~~their~~ crossing points or contacting points of the fibers each other or ~~or~~ and the fibers and the artificial root or the artificial joint are fused to or fixed to each other at their contacting point and the implant.

11. (Canceled).

12. (Canceled).

13. (Canceled).

14. (New) The method for forming the implant material in accordance with claim 10, further comprising the step of treating the layer with apatite forming liquid after sintering.

15. (New) The method for forming the implant material in accordance with claim 10, further comprising the step of treating the layer with a treating liquid comprising a physiological active material or a physiological activation promoter which activates cells.